



Lloyd's
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Type Approval Certificate Extension

This is to certify that Certificate No. 18/80051(E4) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	Jiangsu Yuanyang Cable Co., Ltd. Yangzhou Yuanyang Marine cable factory	
PLACE OF PRODUCTION	No. 2, Baoshi Road, Guazhou, Yangzhou, Jiangsu, China 225129 P. R China	
DESCRIPTION	Halogen-free, Low-smoke & Low-toxicity shipboard power cable	
TYPE	CJPF,CJPF80,CJPF90, CJPF86,CJPF96/SC or /NC	Cross-linked polyethylene insulated, thermoplastic polyolefin (inner) sheathed, shipboard power cable (see Note 1)
	CJ85,CJ86/SC or /NC	Cross-linked polyethylene insulated, Shipboard power cable (see Note 1)
	Note 1) Suffix shows as below, which is followed by flammability code; 80: Copper wire braided 85: Copper wire braided, cross-linked polyolefin outer sheathed 86: Copper wire braided, thermoplastic polyolefin outer sheathed 90: Steel wire braided 96: steel wire braided, thermoplastic polyolefin outer sheathed	
Certificate No.	19/80079(E5)	
Issue Date	21 October 2019	
Expiry Date	29 July 2024	
Sheet	1 of 3	


Kelin Zhang
Shanghai Technical Support Office



LR031.1.2016.06

KL Zhang
Shanghai Technical Support Office

Lloyd's Register Classification Society (China)Co., Ltd
19th Floor, Ocean Towers, 550 Yan An Dong Road, Shanghai 200001

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TYPE(continued)

Flammability code

/SC: Halogen-free, Low-smoke& Low-toxicity, Flame retardant type tested to IEC 60332-1-2, IEC 60332-3-22, IEC 60754-1~2 & IEC 61034-1~2

/NC: Halogen-free, Low-smoke& Low-toxicity, Flame Retardant & Fire resistant type tested to IEC 60332-1-2, IEC 60332-3-22, IEC 60331-21/31, IEC 60754-1~2 & IEC61034-1~2

APPLICATION

Marine applications for fixed wiring on ship and offshore installations

DESIGN CODE STANDARDS

Manufacture's specification
IEC60092-350:2014; IEC60092-353:2016; IEC60092-360:2014;
IEC60228:2004; IEC60331-1:2009; IEC60332-1-2:2004; IEC60332-3-22:2000+A1:2008; IEC60754-1:2011+corrigendum Nov. 2013;
IEC60754-2:2011; IEC61034-1~2:2005+A1:2013;

RATINGS

Type	Rated Voltage(V)	No. of Cores	Conductor ³⁾ Cross Section(mm ²)	Max. Temp.(°C)
/SC/NC type CJPE, CJPF80,CJPF90, CJPF86,CJPF96, CJ85,CJ86	0.6/1 k	1	1.0~300	90
		2	1.0~120	
		2+E	1.0~185	
		3	1.0~185	
		3+E	1.0~185	
		4+E	1~185	
		4~37	1.0, 1.5, 2.5	

Note) 'Conductor Cross-Section' is selected from the following series of conductor size:-

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1.0, 1.5, 2.5, 4, 6, 10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300 mm²
'No. of Cores' is selected from the following series of core number:-
4, 5, 7, 10, 12, 14, 16, 19, 24, 27, 30, 33, 37

"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register Classification Society (China) Co., Ltd. of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. STS/TA/19/80079(E5), Issue No.0, dated 21 October 2019 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 18/80051(E4) to which this extension should be attached.

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